

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): A particle-dispersed complex, wherein fine particles having a particle diameter of 5 ~ 100 nm which include ruthenium element as a constituent element are dispersed in a matrix having carbon as a main component, and said complex has electrical conductivity.

Claim 2 (Original): The particle-dispersed complex according to Claim 1, wherein the entire surface of said fine particles makes contact with at least either said matrix or said fine particles.

Claim 3 (Original): The particle-dispersed complex according to Claim 1, wherein said matrix includes carbon black or nanocarbon.

Claim 4 (Original): The particle-dispersed complex according to Claim 1, wherein said fine particles are ruthenium metallic fine particles, ruthenium oxide fine particles or surface-oxidized ruthenium metallic fine particles, or a mixture of these fine particles.

Claim 5 (Original): The particle-dispersed complex according to Claim 1, wherein said complex is held on an electrically conductive substrate.

Claim 6 (Original): The particle-dispersed complex according to Claim 1, wherein said complex is formed on a solid electrolyte substrate.

Claim 7 (Original): The particle-dispersed complex according to Claim 6, wherein the interfacial electrical conductivity  $\sigma$  of the solid electrolyte substrate and a thin film formed from said particle-dispersed complex formed on the surface of said solid electrolyte substrate is  $10^{-6} \text{ Sm}^{-1}$  or higher and  $10^{-2} \text{ Sm}^{-1}$  or lower at  $190 \sim 350^{\circ}\text{C}$ .

Claim 8 (Original): The particle-dispersed complex according to Claim 6, wherein said solid electrolyte substrate is a zirconium oxide substrate which includes a stabilizing agent.

Claim 9 (Currently Amended): The particle-dispersed complex according to Claim 1, ~~2,3,4,5,6,7~~ or 8, wherein said complex is a sensor electrode of a solid electrolyte sensor or an electrode for a solid electrolyte.

Claim 10 (Currently Amended): The particle-dispersed complex according to Claim 1, ~~2,3,4,5,6,7~~ or 8, wherein said complex is an electrochemical catalyst.

Claim 11 (Original): The particle-dispersed complex according to Claim 9, wherein said complex is an electrochemical catalyst.

Claim 12 (Original): A solid electrolyte sensor, wherein a particle-dispersed complex formed by dispersing fine particles having a particle diameter of  $5 \sim 100 \text{ nm}$  which include ruthenium element as a constituent element in a matrix having carbon as a main component and having electrical conductivity is formed as an electrode on the surface of a zirconium oxide substrate which includes a stabilizing agent.

Claim 13 (Original): The solid electrolyte sensor according to Claim 12, wherein the entire surface of said fine particles makes contact with at least either said matrix or said fine particles.